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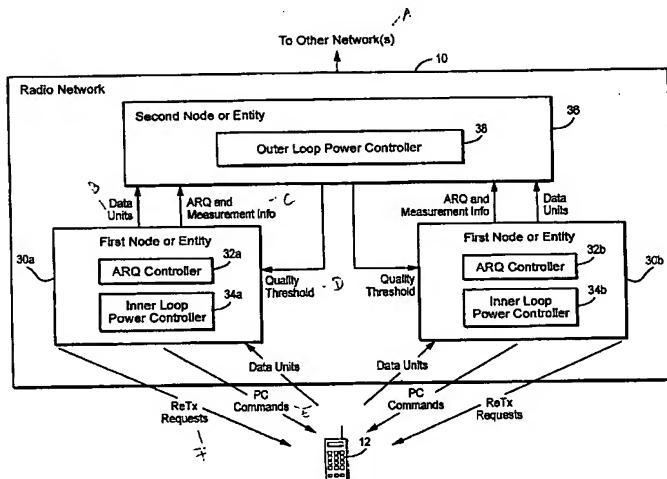
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(54) Title: POWER CONTROL AND AUTOMATIC REPEAT REQUEST (ARQ) IN A RADIO COMMUNICATIONS SYSTEM



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(57) Abstract: A radio network entity in charge of outer loop power control for a communication with a mobile radio is informed about erroneous data units, requested retransmissions, and/or data units transmission attempts associated with the data units sent by the mobile radio to the radio network. Another radio network entity, which sends a transmission power control signal to the mobile radio to control the mobile's transmit power level based on a target value, detects errors in data units received from the mobile radio and requests retransmission. Information associated with the requested retransmission is used to generate a revised target value. The target value may be revised by an outer loop power controller node or by an outer loop power controller entity in the same node as an ARQ entity that generates the information about erroneous data units, requested retransmissions, and/or data units transmission attempts associated with the data units sent by the mobile radio to the radio network.



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